

Active Recombinant Human IGFBP2 protein

Cat. No. IGFBP2-29545TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human IGFBP2 was expressed in Insect cells.
Species	Human
Source	Insect Cells
Description	The protein encoded by this gene is one of six similar proteins that bind insulin-like growth factors I and II (IGF-I and IGF-II). The encoded protein can be secreted into the bloodstream, where it binds IGF-I and IGF-II with high affinity, or it can remain intracellular, interacting with many different ligands. High expression levels of this protein promote the growth of several types of tumors and may be predictive of the chances of recovery of the patient. Several transcript variants, one encoding a secreted isoform and the others encoding nonsecreted isoforms, have been found for this gene.
Form	Sterile filtered through a 0.2 micron filter. Lyophilized from 1 x PBS, pH 7.2.
Bio-activity	Determined by its ability to inhibit IGF-I induced proliferation of FDC-P1 cells.
AA Sequence	<p>EVLFRCPPTPERLAACG PPPVAPPAA VAAVAGGAR MPCAEVRE PGCGCCSVC ARLEGEACQ VYTTPRCGQG LRCYPHPGS ELPLQALVM GEGTCEKRR DAEYGASPE QVADNGDDH SEGGLVENH VDSTMNMLG GGGSAGRKP LKSGMKELA VFREKVTEQ HRQMGKGGK HHLGLEEPK KLRPPPART PCQQELDQV LERISTMRL PDERGPLEH LYSLHIPNC DKHGLYNLK QCKMSLNGQ RGEWCVNP NTGKLIQGA PTIRGDPEC HLFYNEQQE</p>

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	ARGVHTQRM Q
Endotoxin	< 1 EU/ug
Purity	Above 98% as determined by SDS-PAGE Analysis.
Storage	Store at -20 centigrade.
Reconstitution	Centrifuge vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. Store at 2 centigrade to 8 centigrade for 1 week, or prepare for extended storage. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein(example 0.1% BSA) and store in working aliquots at -20 centigrade to -80 centigrade. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name	IGFBP2 insulin-like growth factor binding protein 2, 36kDa [Homo sapiens]
Official Symbol	IGFBP2
Synonyms	IGFBP2; insulin-like growth factor binding protein 2, 36kDa; IBP2, insulin like growth factor binding protein 2 (36kD); insulin-like growth factor-binding protein 2; IBP-2; IGFBP-2; IGF-binding protein 2; IBP2; IGF-BP53;
Gene ID	3485
mRNA Refseq	NM_000597
Protein Refseq	NP_000588
MIM	146731

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UniProt ID

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